



JCO6 Rec'd PCT/PTO 21 OCT 2005  
624.45265X00

PCT

Applicants: T. ITOH, et al.  
Serial No.: 10/543,188  
Filed: JULY 22, 2005  
For: METHOD FOR IMPROVING KEEPING QUALITY OF FOOD  
AND DRINK  
Group A U: TBA  
Examiner: TBA  
Confirm. No. TBA

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR 1.97 & 1.98**

**Mail Stop: AMEND – NO FEE**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

October 21, 2005

Sir:

Pursuant to Applicants' duty of disclosure, enclosed please find a Translation of the International Preliminary Report on Patentability in connection with International (PCT) Application No. PCT/JP2004/000592, filed January 23, 2004, of which the above-identified application is a National Stage application filed under 35 USC 371.

Note that in the International Search Report for International (PCT) Application No. PCT/JP2004/000592, submitted upon originally filing the above-identified application, Documents 1-7 referred to in the aforementioned Translation, and No. JP 2003-164258, were cited, and copies of all of these eight (8) documents have previously been submitted to the Examiner for consideration during examination of the above-identified application. In any event, enclosed herewith are English-language abstracts of each of the eight (8) Japanese patent documents submitted with the Information Disclosure Statement upon originally filing the above-

identified application and listed on the form equivalent to Form PTO-1449 submitted therewith, and copies of the documents themselves.

Also enclosed herewith are copies of documents cited in the specification of the above-identified application, that is, in the first and second full paragraphs on page 2 of the specification.

Lastly, also enclosed herewith is a Form PTO/SB/08A and B, listing the enclosed documents, and re-listing the eight (8) Japanese patent documents on the List submitted with the Information Disclosure Statement filed July 22, 2005, but indicating submission of the English language abstract therewith.

This Information Disclosure Statement is being submitted prior to a first Office Action on the merits in the above-identified application, and, moreover, within three (3) months of the filing of the National Stage application. Clearly, the requirements of 37 CFR 1.97(b) are satisfied.

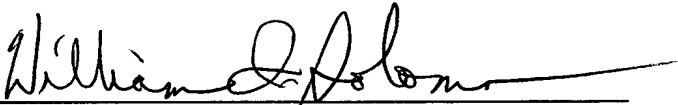
Requirements of 37 CFR 1.98(a)(3) are satisfied by submission of (1) the Translation of the International Preliminary Report on Patentability, (2) the International Search Report for No. PCT/JP2004/000592 (previously submitted), and (3) English-language abstracts of the respective documents, discussed previously.

In view of the foregoing, it is respectfully submitted that all applicable requirements of 37 CFR 1.97 and 1.98 have been satisfied, in connection with each of the documents listed on the enclosed Form. Accordingly, consideration of the listed documents, upon examination of the above-identified application, is respectfully requested.

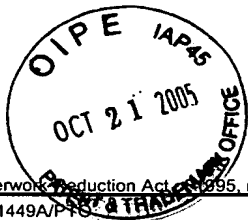
Applicants request any shortage of fees due in connection with the filing of this paper be charged to the Deposit Account of Antonelli, Terry, Stout & Kraus, LLP, Deposit Account No. 01-2135 (case No. 624.45265X00), and credit any excess fees paid to such Deposit Account.

Respectfully submitted,

**ANTONELLI, TERRY, STOUT & KRAUS, LLP**

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PTO/SB/08A (08-03)  
Approved for use through 07/31/2006. OMB 0651-0031  
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<b>Substitute for form 1449A/PTO-4</b> <b>INFORMATION DISCLOSURE STATEMENT</b> <b>BY APPLICANT</b>  <b>October 21, 2005</b>  <small>(use as many sheets as necessary)</small>		<b>Complete if Known</b>	
		Application Number	10/543,188
		Filing Date	July 22, 2005
		First Named Inventor	T. ITOH
		Art Unit	TBA
		Examiner Name	TBA
Sheet 1 of 2	Attorney Docket Number	624.45265X00	

U.S. PATENT DOCUMENTS						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)				
		US-				
		US-				
		US-				
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		US-				

FOREIGN PATENT DOCUMENTS						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		JP 04-346746	12/02/1992	S. Mori, et al.		A
		JP 09-037735	02/10/1997	T. Otawa, et al.		A
		JP 2003-164258	06/10/2003	T. Tsujinaka, et al.		A
		JP 05-000072	01/08/1993	M. Murata, et al.		A
		JP 05-000073	01/08/1993	A. Nishina, et al.		A
		JP 2000-287661	10/17/2000	S. Murakami		A
		JP 2001-178433	07/03/2001	R. Ueno, et al.		A
		JP 11-164675	06/22/1999	M. Yajima, et al.		A

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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<b>Substitute for form 1449/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <b>October 21, 2005</b> <i>(use as many sheets as necessary)</i>		<b>Complete if Known</b>			
		Application Number	10/543,188		
		Filing Date	July 22, 2005		
		First Named Inventor	T. ITOH		
		Group Art Unit	TBA		
		Examiner Name	TBA		
Sheet	2	of	2	Attorney Docket Number	624.45265X00

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Translation of the International Preliminary Report on Patentability, dated September 15, 2005, for International Application No. PCT/JP2004/000592 (8 PP.).	
		A. Corsetti, et al., "Antimould activity of sourdough lactic acid bacteria: identification of a mixture of organic acids produced by <i>Lactobacillus sanfrancisco</i> CB1", <i>Appl Microbiol Biotechnol</i> , Vol. 50, pp. 253-256 (1998).	
		S. Marin, et al., " <i>Aspergillus Flavus</i> , <i>Aspergillus Niger</i> , and <i>Penicillium Corylophilum</i> Spoilage Prevention of Bakery Products by Means of Weak-Acid Preservatives", <i>Journal of Food Science</i> , Vol. 67, No. 6, pp. 2271-2277 (2002).	
		J. Magnusson, et al., " <i>Lactobacillus coryniformis</i> subsp. <i>coryniformis</i> Strain Si3 Produces a Broad-Spectrum Proteinaceous Antifungal Compound", <i>Applied and Environmental Microbiology</i> , Vol. 67, No 1, pp. 1-5 (2001).	
		P. Lavermicocca, et al., "Purification and Characterization of Novel Antifungal Compounds from the Sourdough <i>Lactobacillus plantarum</i> Strain 21B", <i>Applied and Environmental Microbiology</i> , Vol. 66, No. 9, pp. 4084-4090 (2000).	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.  
Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.  
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